

#38

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TECH CENTER 1600/2900

1632

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/160,076

DATE: 07/10/2002
 TIME: 11:03:37

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\07102002\I160076.raw

ENTERED

4 <110> APPLICANT: Scott, David T.
 5 Zambidis, Elias T.
 7 <120> TITLE OF INVENTION: TOLERGENIC FUSION OF IMMUNOGLOBULINS AND
 8 METHODS FOR INDUCING AND MAINTAINING TOLERANCE
 11 <130> FILE REFERENCE: 308072000110
 13 <140> CURRENT APPLICATION NUMBER: US 09/160,076
 14 <141> CURRENT FILING DATE: 1998-09-24
 16 <150> PRIOR APPLICATION NUMBER: US 08/195,874
 17 <151> PRIOR FILING DATE: 1994-02-11
 19 <160> NUMBER OF SEQ ID NOS: 11
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 45
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Synthetic construct
 31 <400> SEQUENCE: 1
 32 ctggaggacg cgcggcggt gaagcgata tacgagaaga agaag 45
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 15
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Synthetic construct
 42 <400> SEQUENCE: 2
 43 Leu Glu Asp Ala Arg Arg Leu Lys Ala Ile Tyr Glu Lys Lys Lys
 44 1 5 10 15
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 31
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Synthetic construct
 55 <400> SEQUENCE: 3
 56 tgatctactg cagctggagg acgcgcggcg g 31
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 40
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Synthetic construct
 66 <400> SEQUENCE: 4

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67 cgacctcctg cagttggacc tgcttcttct tctcgtatat          40
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 75
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Synthetic construct
W--> 77 <221> NAME/KEY: CDS
78 <222> LOCATION: (16)...(61)
W--> 80 <400> 5
81 caggtccaac tgcag ctg gag gac gcg cgg cgg ctg aag gcg ata tac gag          51
82                               Leu Glu Asp Ala Arg Arg Leu Lys Ala Ile Tyr Glu
83                               1           5           10
85 aag aag aag c aggtccaact gcag          75
86 Lys Lys Lys
87           15
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 29
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Synthetic construct
98 <400> SEQUENCE: 6
99 tggactaagt cgacaccatg ggatgcagc          29
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 33
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetic construct
109 <400> SEQUENCE: 7
110 ggcaacagaa gctttcactt cttcttctcg tat          33
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 31
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Synthetic construct
120 <400> SEQUENCE: 8
121 tgatctactg cagctggagg acgcgcggcg g          31
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 87
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthetic construct
W--> 131 <221> NAME/KEY: sig_peptide
132 <222> LOCATION: (1)...(9)
W--> 134 <221> CDS

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```

135 <222> LOCATION: (1)...(87)
W--> 137 <400> 9
138 gtc cac tcc cag gtc caa ctg cag ctg gag gac gcg cgg cgg ctg aag 48
139 Val His Ser Gln Val Gln Leu Gln Leu Glu Asp Ala Arg Arg Leu Lys
W--> 140 1 5 10
142 gcg ata tac gag aag aag aag cag gtc caa gtg cag cag 87
143 Ala Ile Tyr Glu Lys Lys Lys Gln Val Gln Val Gln Gln
W--> 144 15 20 25
147 <210> SEQ ID NO: 10
148 <211> LENGTH: 29
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <221> NAME/KEY: SIGNAL
154 <222> LOCATION: (1)...(3)
156 <223> OTHER INFORMATION: Synthetic construct
158 <400> SEQUENCE: 10
159 Val His Ser Gln Val Gln Leu Gln Leu Glu Asp Ala Arg Arg Leu Lys
160 1 5 10
161 Ala Ile Tyr Glu Lys Lys Lys Gln Val Gln Val Gln Gln
162 15 20 25
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 45
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic construct
173 <400> SEQUENCE: 11
174 tcccttcttc tcgtatatcg ctttcagccg ccgcgcgtcc tccag 45

```

VERIFICATION SUMMARY

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Input Set : A:\Seqlist.txt

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L:77 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:80 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:131 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:134 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:137 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:140 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9
L:144 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9